



# FortiAP 24D

QuickStart Guide



December 02, 2014

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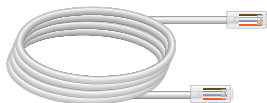
## Box Includes



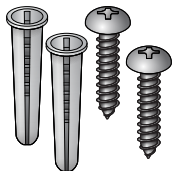
FortiAP 24D



QuickStart Guide



Ethernet Cable



Wall Mount Kit

## Before You Begin

Write down details that you may need from your network administrator or ISP.

### DSL PPPoE

Username

Password

### Cable Modem DHCP

It is normal to not require a hostname, but your ISP may require it.

Hostname

### Static IP address

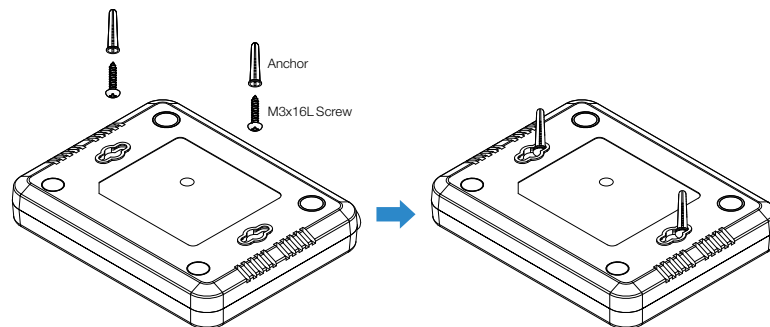
IP Address

Subnet Mask

Default Gateway

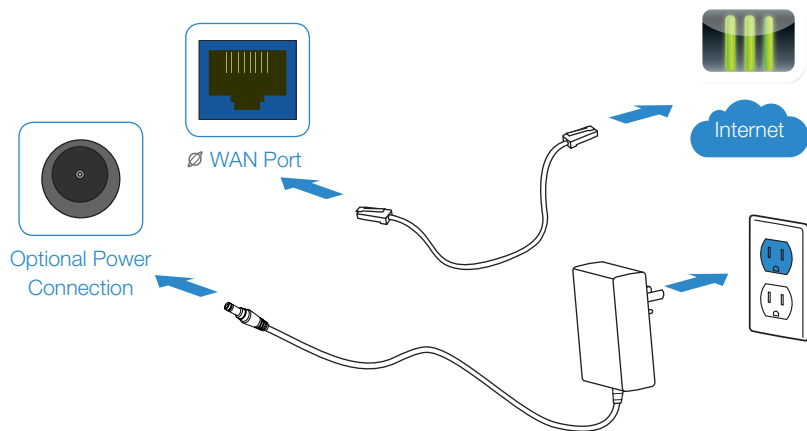
Primary/Secondary DNS

# 1 Mounting



1. Select an appropriate location and mark the location on the wall where the anchors will be located.
2. Insert the anchors provided in the wall mount kit into the wall in the marked locations. If necessary, drill holes into the wall with an appropriately sized drill bit prior to inserting the anchors.
3. Screw the provided M3x16L screws into the two anchors, leaving enough of the screws exposed to ensure that the unit can be mounted on them.
4. Mount the FortiAP unit onto the screws and ensure that it is mounted securely. You can now proceed with connecting your FortiAP unit.

## 2 Basic Connections



Connect your FortiAP device to a [FortiGate controller](#) or an [Internet connection](#).

If you are using [Power over Ethernet \(PoE\)](#), ensure that the cable is connected to an applicable port on your [FortiGate device](#) or [PoE injector](#).

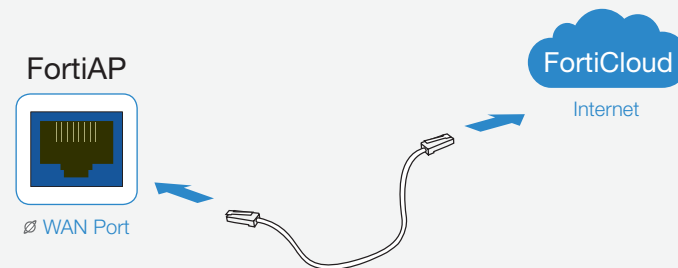
Optionally, connect your device to a [power outlet](#) using the optional power adapter.

**Caution:** Adequate [grounding](#) must be provided to the FortiAP unit and the PoE injector, in compliance with your [local electrical code](#) or [regulations](#).

**Warning:** This device complies with [IEEE 802.3af](#) PoE specification. Do not use any [PoE injectors](#) that are not [IEEE 802.3af compliant](#) as they may damage your device.

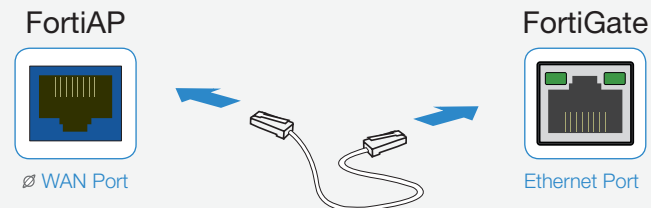
## 3 FortiAP Setup

### A Cloud provisioning with FortiCloud



OR

### B FortiGate secured on local network

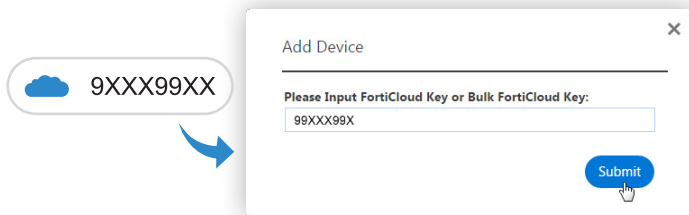


FortiAP Setup Video

<http://video.fortinet.com/video/92/basic-fortiap-setup>

## A FortiCloud

1. Visit <http://www.forticloud.com> and sign in or create a new account.
2. Click the “Add Device” link, enter the unique FortiCloud key located on your FortiAP device, then click Submit.



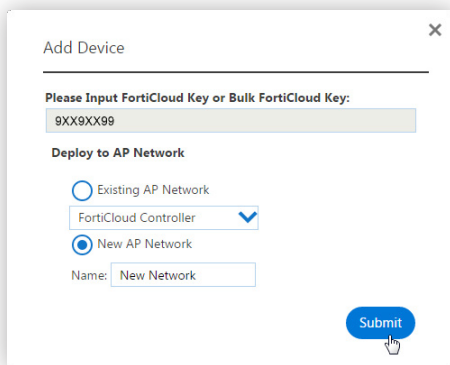
Add Device

Please Input FortiCloud Key or Bulk FortiCloud Key:

99XXX99X

Submit

3. Deploy the FortiAP to an existing AP network, or create a new AP network, then click Submit.



Add Device

Please Input FortiCloud Key or Bulk FortiCloud Key:

99X99X99

Deploy to AP Network

☐ Existing AP Network

FortiCloud Controller

☒ New AP Network

Name: New Network

Submit

4. Follow the prompts to associate the FortiAP device to an SSID.
5. Connect your FortiAP to an Internet connection. This can be a modem or another source of Internet connectivity. The FortiAP will self-configure.

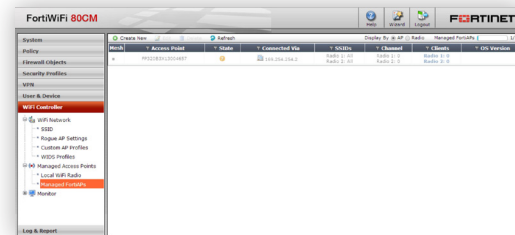
## B Deployment through a FortiGate

If your FortiGate is on the same network as your FortiAP:

1. Preauthorize your FortiAP device using your FortiGate. If you are not familiar with deploying a FortiAP using your FortiGate, refer to the “Access Point Deployment” section of the [Deploying Wireless Networks Guide](http://docs.fortinet.com) found at <http://docs.fortinet.com>.
2. Plug your FortiAP into your local Ethernet connection. The FortiAP will self-configure.

Or

1. Instead of preauthorizing, you can authorize your FortiAP via the FortiGate after you have connected the FortiAP to your local Ethernet.
2. Within two minutes of connecting the FortiAP to your FortiGate, the device will appear on the Managed FortiAP page in the Web-based Manager: authorize and assign a profile to the device.

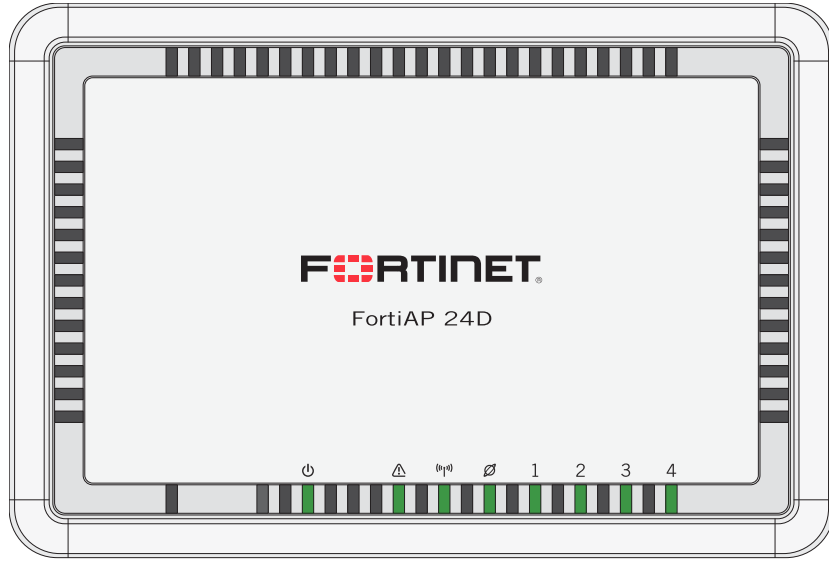


If your FortiGate is not on the same network as your FortiAP:

1. Log in to the FortiAP directly (IP address: 192.168.1.2) with username admin and no password, and specify the IP address of the controlling FortiGate.
2. Connect to the FortiAP via the CLI using the instructions in the “Connecting to FortiAP CLI” section of the [Deploying Wireless Networks guide](#).
3. Specify the IP address of the controlling FortiGate:

```
cfg -a AC_IPADDR_1=0.0.0.0
cfg -c
```

where 0.0.0.0 is the address of the FortiGate.
4. The FortiAP will connect to the FortiGate, and then you can authorize the FortiAP.



## Power

- Green: The unit is on
- Off: The unit is off

## Status

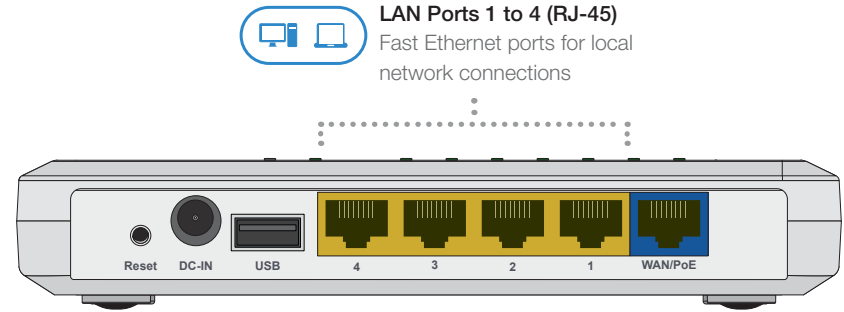
- Green: Managed by FortiGate controller
- Flashing Green: Searching for controller
- Off: Not ready or booting up

## Wireless Radio

- Green: Wireless interface enabled
- Flashing Green: Wireless activity
- Off: Wireless interface disabled

## LAN and WAN Ports

- Green: Connected
- Flashing Green: Transmitting & receiving data
- Off: No link established



**LAN Ports 1 to 4 (RJ-45)**  
Fast Ethernet ports for local network connections

**Power**  
5.0V DC, 1A

**WAN Port (RJ-45)**  
Gigabit Ethernet port for Internet connection, with PoE PD support (802.3 af)

**USB (USB-A)**  
Allows configuration of the device using FortiExplorer on your mobile device (requires version 1.0.3 or later)

**Wireless Radio**  
2.4GHz, 802.11 b/g/n, or 5GHz, 802.11a/n

## Cautions and Warnings

### Environmental Specifications

*Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude).*

*Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).*

### Safety

**Caution:** This equipment is to be used in a Network Environment 0 per IECTR 62101. This product is connected only to PoE networks without routing to the outside plant.

**Attention:** Ce matériel doit être utilisé dans un Environnement Réseau 0 par IECTR 62101. Ce produit est uniquement connecté aux réseaux PoE sans installation externe de routage.

This product is intended to be supplied by a Listed Direct Plug-In Power Unit marked LPS or Class 2 and rated 12V DC, 2 A or by 48V DC from PoE source.

Le produit doit être alimenté par un bloc d'alimentation à courant continu homologué UL de 12V DC, 2 A nominal marqué LPS ou Class 2 ou par une source d'alimentation par Ethernet de 48V DC (PoE).

## Regulatory Compliance

### Federal Communication Commission (FCC) – USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

**WARNING:** Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**Caution:** Operation of this device is restricted to indoor use only.

### Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

CAN ICES-3 (B) / NMB-3 (B)

This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps.

**Caution:** The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems. High-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

**Attention:** Le dispositif de la bande 5150-5250 MHz est réservé à un usage intérieur afin de réduire l'interférence nuisible potentielle aux systèmes mobiles par satellite co-canal. Les radars à haute puissance sont désignés comme utilisateurs principaux (à savoir les utilisateurs prioritaires) des bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer des interférences et / ou endommager les périphériques LE-LAN.

### European Conformity (CE) - EU

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.





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